

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Polyethylene Glycol 6000 (Pharmaceutical Grade)
<b>Batch Number</b>	240416-2
<b>Manufacture Date</b>	16-04-2024
<b>Expiry Date</b>	15-04-2027

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Average molecular weight	5400–6600	5470
Hydroxyl number (mg KOH/g)	17–20.8	20.5
Clarity at 80°C	Free from haze and turbidity	Conforms
Water solubility (25% aqueous)	Free from haze and turbidity	Conforms
Suspended matter	Substantially free	Conforms
Colour (25% aq.), Pt-Co	≤25	25
pH (5% aqueous)	4.5–7.0	6.5
Sulphated ash (% w/w)	≤0.1	0.0
Water (% w/w)	≤0.5	0.50
Residual ethylene oxide (ppm)	≤1	0.1

### Supplier Guarantee (not batch-tested)

Analysis Item	Specification	Result
Ethylene + Diethylene glycol	≤0.2 %	—
Heavy metals (as Pb)	<5 mg/kg	—
Reducing substances	Pass test	—
Organic volatiles	Pass test	—
Formaldehyde	≤15 mg/kg	—
Viscosity at 20°C (50% aq.)	≈217 mm <sup>2</sup> /s	—

Freezing range (°C)	55–61	—
Stabiliser (BHT, E321)	30–60 mg/kg	—

**General Status**

<b>Compliance</b>	EP, USP/NF, FCC; European & ICH guidelines
<b>Shelf Life</b>	3 years after production date

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